

Title (en)

Tamper proof spout closure.

Title (de)

Ausgiesserverschluss mit Originalitätssicherung.

Title (fr)

Dispositif de fermeture inviolable pour bec verseur.

Publication

EP 0531813 A1 19930317 (EN)

Application

EP 92114619 A 19920827

Priority

SE 9102533 A 19910904

Abstract (en)

The invention relates to an opening arrangement (1) for laminated container packages (2, 5) or cartons of the single-use disposable type. The opening arrangement (1) consists of an inner pouring spout (12) which constitutes a closed part continuous with the container package (2, 5), and an outer screw stopper-like sealing portion (4). The outer sealing portion (4) consists of an outer, left-hand threaded part (18) and an inner, right-hand threaded portion (19), and a pull-off ring (16) disposed therebetween. Penetration devices (14) are provided in the inner part (18) of the sealing portion (4), the penetration devices cutting off the inner pouring spout (12) when the container package is opened. <IMAGE>

IPC 1-7

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IPC 8 full level

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CPC (source: EP US)

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B65D 2251/0093 (2013.01 - EP US)

Citation (search report)

- [A] FR 1561377 A 19690328
- [A] GB 2241224 A 19910828 - DAINIPPON PRINTING CO LTD [JP]

Cited by

FR2968280A1; FR2765194A1; EP0954488A4; FR2779418A1; DE4410205A1; US5755359A; DE4343442A1; US5850930A; DE102009010681B3;
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GR 3018202 T3 19960229; JP 3320788 B2 20020903; JP H05201446 A 19930810; SE 469025 B 19930503; SE 9102533 D0 19910904;
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